

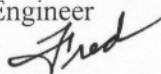
STATE OF NEW HAMPSHIRE

Inter-Department Communication

Date: April 15, 2004

From: Fred McGarry, P.E., DEE, Chief Engineer
Site Remediation Program

At (Office) Waste Management Division



Subject: Revised GW-1 Groundwater Standards

To: Hazardous Waste Remediation Bureau
Oil Remediation and Compliance Bureau

Based on a review of the EPA toxicological databases conducted at the request of the Site Remediation Programs, the Bureau of Occupational Health, Department of Health and Human Services, has revised the health-based drinking water guidelines for twelve compounds. Changes in the drinking water guidelines for the alkylbenzenes are based on updated reference dose (RfD) for risk from drinking contaminated water. The other compound changes were based on changes to reference dose, lifetime health advisories (LHA) or cancer slope factors (CSF). The attached table lists the compound, the revised GW-1 groundwater standard and the basis for the revised groundwater standard.

Compound	CAS Number	Revised GW-1 Standard (ug/L)	Basis
Acetone	67-64-1	6,000	RfD
n-Butylbenzene	104-51-8	260	RfD
sec-Butylbenzene	135-98-8	260	RfD
tert-Butylbenzene	98-06-6	260	RfD
Chloromethane	74-87-3	30	LHA
1,3-Dichloropropene	542-75-6	0.4	CSF
p-Isopropyltoluene	99-87-6	260	RfD
Methyl ethyl ketone	78-93-3	4,000	LHA
Methyl isobutyl ketone	108-10-1	2,000	RfC
n-Propylbenzene	103-65-1	260	RfD
1,2,4-Trimethylbenzene	95-63-6	330	RfD
1,3,5-Trimethylbenzene	108-67-8	330	RfD

By reference, the groundwater quality criteria have changed to these new numbers. Please refer to Env-Wm 1403.03 (a) "Groundwater shall be suitable for use as drinking water without treatment". Please note that these new groundwater standards apply only to groundwater and drinking water samples obtained for contaminated site investigations and remediation.

These changes take effect immediately and should be used in the managing of contaminated sites within the site remediation program.

The leaching based soil standards are being re-evaluated based on the changes to the above drinking water standards. New tables for the RCMP will be published on the web version. A memo will be sent to all Remediation Programs staff when these new tables have been published.